



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MM71/0611

PASCAL & ASSOCIATES  
P O BOX 11121 STATION H  
NEPEAN ON K2H 7T8  
CANADA

AIR MAIL

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/902,299	07/29/97	013	SHERRY, M	2836 06/11/99
First Named Applicant	MIGNAULT,	35 USC 154(b) term ext.	0 Days.	

TITLE OF INVENTION

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
Z 577P01US	361-042.000	002	UTILITY	YES	\$635.00	09/13/99

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

### Notice of Allowability

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/302,277	07/27/87	MIGUELITO, C. Claims can be available, PROSECUTION TIME LINE IS FOR MAINTENANCE AND MAINTAINABILITY ONLY. Notice of Allowance and Issue Fee Date will be mailed on or before 08/27/87	27/870108 SPECIAL
		MM71/0611	EXAMINER SHERRY, M.
<input type="checkbox"/> M. PASCAL & ASSOCIATES P. O. BOX 11121 STATION H THE NEPEAN ON K2H 7T8 CANADA		AIR MAIL	ART UNIT 2836
			PAPER NUMBER 2836

ACKNOWLEDGMENT OF INFORMATION RECEIVED  
X-25 INFORMATION  
RECEIVED  
RELEASER: DIA  
DATE: 10/10/1997  
EXPIRATION DATE: 10/10/1998  
CLASSIFICATION: CONFIDENTIAL  
DISSEMINATION: DIA  
APPROVAL: DIA  
INTERVIEWER: DIA  
APPROVAL: DIA

**Please find below and/or attached an Office communication concerning this application or proceeding.**

THE DATE MAILED OR RECEIVED BY THE PATENT OFFICE IS THE DATE OF FILING.  
**Commissioner of Patents and Trademarks**

...**AMINER'S STATEMENT OR NOTICE OF ALLEGED PRACTICE** discloses  
the truth or the whole truth. A SUBSTITUTE OATH OR DECLARATION IS ATTACHED.

## 6. **WHAT MUST BE THE NEW FORM OF THE LAW?**

✓ because the originally filed drawings were declared by applicant to be informal  
including changes required by the Notice of Draftsperson's Paper: Drawing Review, PTO-892, dated 11/12/2010, hereto attached.

X including changes required by the proposed drawing correction filed on Aug 24, 1949 which has been approved by the examiner.

including changes required by the attached Examiner's Amendment/Comment

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter or addressed to the Official Draftsperson.

Note the attached Examiner's comments regarding REQUIREMENT FOR THE DEPOSIT OF MATHEMATICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (ORIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE MATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be indicated.

Attachment(s)

- Notice of References Cited, PTO-892
- Information Disclosure Statement(s), PTO-1449, Paper No(s) \_\_\_\_\_
- Notice of Draftsperson's Patent Drawing Review, PTO-848
- Notice of Informal Patent Application, PTO-152
- Interview Summary, PTO-413
- Examiner's Amendment/Comment
- Examiner's Comment Regarding Requirements for Deposit of Biological Material
- Examiner's Statement of Reasons for Allowance

<b>Notice of Allowability</b>	Application No. <b>08/902,299</b>	Applicant(s) <b>Mignault</b>
	Examiner <b>Michael Sherry</b>	Group Art Unit <b>2836</b>

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

This communication is responsive to amendment filed 5/24/99

The allowed claim(s) is/are 1-13

The drawings filed on \_\_\_\_\_ are acceptable.

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All  Some\*  None of the CERTIFIED copies of the priority documents have been received.

received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

Applicant MUST submit NEW FORMAL DRAWINGS

because the originally filed drawings were declared by applicant to be informal.

including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. \_\_\_\_\_.

including changes required by the proposed drawing correction filed on May 24, 1999, which has been approved by the examiner.

including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

**Attachment(s)**

- Notice of References Cited, PTO-892
- Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_
- Notice of Draftsperson's Patent Drawing Review, PTO-948
- Notice of Informal Patent Application, PTO-152
- Interview Summary, PTO-413
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- Examiner's Comment Regarding Requirement for Deposit of Biological Material
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*Michael Sherry  
6/10/99*

Art Unit: 2836

1. The following is an examiner's statement of reasons for allowance:

Claim 1 recites, inter alia, a ground fault circuit, comprising a circuit connected to the high voltage secondary winding of a transformer for detecting leakage current from the transformer to ground, for short circuiting an AC component of the leakage current passing through the detector to ground, and for deriving a D.C. voltage from D.C. leakage current from the transformer to ground, and a circuit for applying the derived D.C. voltage to the control input of the shutdown control circuit, whereby the power supply may be shut down in the presence of leakage current in excess of the trigger voltage which is derived exclusively from D.C. current leakage from the transformer to ground.

Claim 12 recites, inter alia, a method of shutting down a power supply which drives a transformer having a center-tapped high voltage secondary winding, comprising short circuiting A.C. leakage current that may flow between the secondary winding and ground, detecting D.C. voltage caused by D.C. leakage current which may be conducted between the D.C. biased secondary winding and ground, applying the D.C. voltage to the control input of a switch, and controlling shut-down of the power supply by means of the switch.

The art of record does not disclose the above limitations, nor would it be obvious to modify the art of record so as to include either of the above limitations.

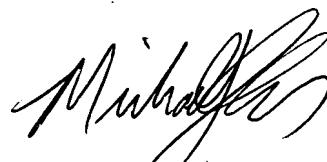
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Sherry whose telephone number is (703)308-1680.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist of the Technology Center whose telephone number is (703) 308-1782. The facsimile numbers for Technology Center 2800 are (703) 305-3432 and (703) 305-3431.



Michael J. Sherry

MJS

June 10, 1999